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SEQUENCE LISTING

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TECH CENTER 1600/2000

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<120> MUTANT KANAMYCIN NUCLEOTIDYLTRANSFERASE AND A METHOD
OF SCREENING THERMOPHILIC BACTERIA USING THE SAME

<130> 04853.0048-000006

<140> 09/697,186

<141> 2000-10-27

<150> JP 309616/1999

<151> 1999-10-29

<160> 20

<170> PatentIn Ver. 2.1

<210> 1

<211> 253

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Mutant enzyme
obtained by introduction of point mutation into
wild type KNT gene of Staphylococcus aureus and
its expression

<400> 1

Met	Asn	Gly	Pro	Ile	Ile	Met	Thr	Arg	Glu	Glu	Arg	Met	Lys	Ile	Val
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His	Glu	Ile	Lys	Glu	Arg	Ile	Leu	Asp	Lys	Tyr	Gly	Asp	Asp	Val	Lys
		20					25						30		
Ala	Ile	Gly	Val	Tyr	Gly	Ser	Leu	Gly	Arg	Gln	Thr	Asp	Gly	Pro	Tyr
		35					40					45			
Ser	Asp	Ile	Glu	Met	Met	Cys	Val	Met	Ser	Thr	Glu	Glu	Ala	Glu	Phe
	50					55					60				
Ser	His	Glu	Trp	Thr	Thr	Gly	Glu	Trp	Lys	Val	Glu	Val	Asn	Phe	Tyr
	65				70				75					80	
Ser	Glu	Glu	Ile	Leu	Leu	Asp	Tyr	Ala	Ser	Gln	Val	Glu	Ser	Asp	Trp
			85						90					95	
Pro	Leu	Thr	His	Gly	Gln	Phe	Phe	Ser	Ile	Leu	Pro	Ile	Tyr	Asp	Ser
			100					105						110	